

IN THE CLAIMS:

1. (Previously Presented) A lamp device comprising:

a discharge lamp comprising an arc tube, the arc tube enclosing luminescent materials and having disposed therein a pair of opposing electrodes, and first and second sealed portions extending from the arc tube;

a reflector that reflects light radiated by the discharge lamp;

a transparent member covering an open end of the reflector and accommodating the discharge lamp in a space between the transparent member and the reflector; and

heat releasing device for preventing an excessive temperature rise of welded parts of wiring members electrically connected to the electrodes, said heat releasing device comprising:

a heat absorbing part wrapped around substantially the entire length of the first sealed portion; and

a plate-like heat channeling part for channeling heat from the heat absorbing part to an external to the reflector, the

Serial No.: 09/890,127

heat channeling part passing through the reflector and communicating with an area outside the reflector, wherein a surface of the channeling part is perpendicular to the transparent member.

2.-6. (Cancelled).

7. (Currently Amended) A lamp device comprising:

a high-pressure mercury vapor discharge lamp comprising:
an arc tube, the arc tube enclosing luminescent materials and having located therein a pair of opposing electrodes, and a pair of sealed portions extending from the arc tube;

a reflector that reflects light radiated by the discharge lamp; and

a transparent member covering an open end of the reflector and accommodating the discharge lamp in a space between the transparent member and the reflector; and

cooling means for removing conducted heat to the exterior of the lamp device, wherein

Serial No.: 09/890,127

a space between the reflector and the transparent member is hermetically sealed; and

one of said sealed portions located on a side of the transparent member is integral with the transparent member.

8. (Cancelled).

9. (Previously Presented) A lamp device according to claim 1, further comprising cooling means for removing conducted heat to a space external to the lamp device.

10. (Cancelled).

11. (Previously Presented) The lamp device according to claim 7, wherein the high-pressure mercury vapor discharge lamp has a pressure of approximately 200 atmospheres.

12.-13. (Cancelled).